

# 10th Class 2016

Chemistry	Group-II	Paper-II
Time: 15 Minutes	(Objective Type)	Marks: 12

**Note:** Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

**1-1- The colour of HI is:**

- (a) Orange
- (b) Purple
- (c) Red
- (d) Colourless ✓

**2- When  $Q_c < K_c$ , the reaction goes in:**

- (a) Forward ✓
- (b) Reverse
- (c) Equilibrium
- (d) None

**3- Which one of the following is acidic salt:**

- (a)  $\text{KHSO}_4$  ✓
- (b)  $\text{Al(OH)}_2\text{Cl}$
- (c)  $\text{NaCl}$
- (d)  $\text{Ca(OCl)Cl}$

**4- Which one of the following is Lewis base:**

- (a)  $\text{BF}_3$
- (b)  $\text{NH}_3$  ✓
- (c)  $\text{H}^+$
- (d)  $\text{AlCl}_3$

**5- Which one of the following does not contain starch:**

- (a) Sugar-cane ✓
- (b) Barley
- (c) Maize
- (d) Potatoes

**6- Oxidation of alkenes produce:**

- (a) Glyoxal
- (b) Oxalic acid
- (c) Glycol ✓
- (d) Formic acid



- 7- The nitrogen present in urea is used by plants to synthesize:
- (a) Sugar (b) Proteins ✓  
(c) Fats (d) DNA
- 8- Which one of the following ions does not cause hardness in water:
- (a)  $\text{Ca}^{2+}$  (b)  $\text{Mg}^{2+}$   
(c)  $\text{SO}_4^{2-}$  (d)  $\text{Na}^+$  ✓
- 9- Temporary hardness is because of:
- (a)  $\text{Ca}(\text{HCO}_3)_2$  ✓ (b)  $\text{CaCO}_3$   
(c)  $\text{MgCO}_3$  (d)  $\text{MgSO}_4$
- 10- Which gas protects the earth's surface from ultraviolet radiations:
- (a)  $\text{CO}_2$  (b) CO  
(c)  $\text{O}_3$  ✓ (d)  $\text{N}_2$
- 11- Which of the following is fat-soluble vitamin:
- (a) A (b) E  
(c) K (d) All of these ✓
- 12- Which one of the following is triglyceride:
- (a) Carbohydrates (b) Proteins  
(c) Vitamins (d) Lipids ✓